

REMARKS

Applicants gratefully acknowledge the Examiner's indication that claim 2 is directed to allowable subject matter. In that regard, claim 1 has been amended to include the limitations of claim 2. Accordingly, claim 1 is now allowable. Claim 2 is cancelled. Because claims 3 through 7 depend either directly or indirectly upon claim 1, these claims are allowable as well.

Claim 8 has been amended to include the limitation that "each logic block further comprises a plurality of macrocells, each macrocell coupling to a cluster OR gate operable to sum a cluster of the cascaded product terms such that each macrocell may register the sum of cascaded product terms from its cluster OR gate." Such a limitation is neither suggested or taught by the New reference (USP 6,396,302). Accordingly, claim 8 is allowable over the art of record. Because claims 9 ~ 11 depend either directly or indirectly upon claim 8, these claims are also allowable.

Claim 12 has been amended to include the limitation that "each logic block further comprises a plurality of macrocells, each macrocell coupling to a cluster OR gate operable to sum a cluster of cascaded product terms such that each macrocell may register the sum of cascaded product terms from its cluster OR gate." Such a limitation is neither suggested or taught by the New reference (USP 6,396,302). Accordingly, claim 12 is allowable over the art of record. Because claims 13 and 14 depend upon claim 8, these claims are also allowable.

In addition, the specification has been amended to address the informality noted in the October 18, 2004 Office Action.

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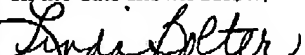
CONCLUSION

For the foregoing reasons, claims 1 and 3 – 14 are now in condition for allowance.

If there are any questions regarding any aspect of the application, please call the undersigned at (949) 752-7040.


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